



STIC Search Report

EIC 1700

STIC Database Tracking Number: 184082

TO: Scott R Kastler
Location: REM 6C03
Art Unit : 1742
April 4, 2006

Case Serial Number: 10/641144

From: Mrs. Kendra Banks
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-2516
Kendra.Banks@uspto.gov

Search Notes

No Cases Reported

US 5,938,865

Banks, Kendra

From: SCOTT KASTLER [scott.kastler@uspto.gov]
Sent: Tuesday, April 04, 2006 9:06 AM
To: STIC-EIC1700
Subject: Database Search Request, Serial Number: 10/641144

Requester:
SCOTT KASTLER (P/1742)

Art Unit:
GROUP ART UNIT 1742

Employee Number:
60485

Office Location:
REM 06C03

Phone Number:
(571)272-1243

Mailbox Number:
Rem6C03

Case serial number:
10/641144

Class / Subclass(es):

Earliest Priority Filing Date:

Format preferred for results:
Paper

Search Topic Information:
litigation search for U.S. Patent no. 5,938,865

Special Instructions and Other Comments:

Current session 04/04/2006

Query/Command : N

..FILE / ..INFO / ..GUIDE

Query/Command : FILE PLUSPAT

QUESTEL - Time in minutes : 0,63

The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.71 USD
Cost estimated for the last database search :	0.71 USD
Estimated total session cost :	0.71 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
Individual records for each Country or Patent Office
Coverage: 75 patenting authorities; start dates vary from 1800 forward
For PlusPat Fact Sheet, Pricing and FAQ, see the Questel.Orbit website
Now available: Citations / Search Reports for German (DE) documents
Last update of file: 2006/03/29 (YYYY/MM/DD) 2006-12/UP (last update)

Search statement 1

Query/Command : US5938865/PN

**** SS 1: Results 1**

Search statement 2

Query/Command : PRT FULL NONSTOP LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5938865 A 19990817 [US5938865]
TI - (A) Process for producing high-strength seamless steel pipe having excellent sulfide stress cracking resistance
PA - (A) SUMITOMO METAL IND (JP)
PA0 - Sumitomo Metal Industries, LTC., Osaka [JP]
IN - (A) KONDO KUNIO (JP); TAKABE HIDEKI (JP); OSAKO HAJIME (JP); KUSHIDA TAKAHIRO (JP)
AP - US95222298 19980205 [1998US-0952222]

- FD** - PCT/JP96/01274 19960515 [1996WO-JP01274]
WO96/36742 19961121 [WO9636742]
- PR** - JP11602395 19950515 [1995JP-0116023]
JP14784495 19950614 [1995JP-0147844]
JP14784595 19950614 [1995JP-0147845]
JP17187295 19950707 [1995JP-0171872]
WOJP9601274 19960515 [1996WO-JP01274]
- IC** - (A) C21D-008/10
- ICAA** - B21B-023/00 [2006-01 A - I R M EP]; C21D-008/10 [2006-01 A - I R M EP]
B21B-019/04 [2006-01 A - N R M EP]
- ICCA** - B21B-023/00 [2006 C - I R M EP]; C21D-008/10 [2006 C - I R M EP]
B21B-019/00 [2006 C - N R M EP]
- EC** - B21B-023/00
C21D-008/10
- PCL** - ORIGINAL (O) : 148593000
- DT** - Corresponding document
- CT** - JP54-117311; JP56-3626; JP58-91123; JP58-104120; JP58-117832; JP58-224116; JP60-043424; JP60-046317; JP60-046318; JP60-052520; JP60-067623; JP60-75523; JP60-086208; JP60-086209; JP61-009519; JP61-238917; JP62-030849; JP62-139815; JP62-149813; JP62-253720; JP63-11621; JP63-093822; JP63-223125; JP63-238242; JP63-274717; JP01055335; JP4-358023; JP05255749; JP05255750; JP05271772; JP06172854; JP6-172858; JP06172859; JP06184635; JP06184711; JP06220536
- STG** - (A) United States patent
- AB** - A process for producing a seamless steel pipe wherein pipe manufacturing steps and the heat treatment steps are carried out in one production line. The properties of the pipe are comparative or superior to those of the pipe manufactured in the conventional reheating, quenching and tempering process. The process is characterized by using the billet of a low alloy steel containing C: 0.15-0.50%, Cr: 0.1-1.5%, Mo: 0.1-1.5%, Al: 0.005-0.50%, Ti: 0.005-0.50% and Nb: 0.003-0.50%, and comprising the following steps (1) to (5).
(1) hot rolling with 40% or more of cross sectional reduction ratio,
(2) finishing the hot rolling in a temperature range of 800-1100 (degree) C.,
(3) putting the manufactured steel pipe promptly in a complementary heating apparatus after the finish rolling, and complementarily heating at the temperature and time satisfying the following formula (a).
(4) quenching the steel pipe immediately after taking out of the complementary heating apparatus, and
(5) tempering the pipe at a temperature not higher than the Ac1 transformation point as the last heat treatment.
$$23500 \leq (T+273) * (21+\log t) \leq 26000 \text{ (a)}$$

where, T ((degree) C.) is a temperature of not lower than 850 (degree) C., and t is time (hr). Further, an intermediate heat treatment consisting of quenching or combination of quenching and tempering may be applied between the steps (4) and (5).

PN - US5938865 A 19990817 [US5938865]
AP - US95222298 19980205 [1998US-0952222]
ACT - 20000328 US/CC-A
CERTIFICATE OF CORRECTION

20010501 US/CC-A
CERTIFICATE OF CORRECTION

20011106 US/CC-A
CERTIFICATE OF CORRECTION

20020618 US/CC-A
CERTIFICATE OF CORRECTION

20031104 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030815

UP - 2003-46

1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,938,865 A 19990817 [US5938865]
PA - Sumitomo Metal Industries Ltd JP
ACT - 20030815 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20031104
REISSUE REQUEST NUMBER: 10/641144
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1742

Reissue Patent Number:

Search statement 2

Query/Command : FILE INPADOC

LGST - Time in minutes : 0,05
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.06 USD
Records displayed and billed :	1
Estimated cost :	0.68 USD
Cost estimated for the last database search :	0.74 USD
Estimated total session cost :	1.45 USD

CRXX - Time in minutes : 0,03
The cost estimation below is based on Questel's
standard price list

Estimated cost :	0.05 USD
Records displayed and billed :	1

Estimated cost : 5.80 USD
Cost estimated for the last database search : 5.85 USD
Estimated total session cost : 7.30 USD

LITA - Time in minutes : 0,01
The cost estimation below is based on Questel's
standard price list

Estimated cost : 0.02 USD
Cost estimated for the last database search : 0.02 USD
Estimated total session cost : 7.32 USD

PLUSPAT - Time in minutes : 0,47
The cost estimation below is based on Questel's
standard price list

Estimated cost : 1.33 USD
Records displayed and billed : 1
Estimated cost : 1.49 USD
Cost estimated for the last database search : 2.82 USD
Estimated total session cost : 10.14 USD

Selected file: INPADOC

INPADOC International Patent Documentation Center
Source: European Patent Office - EPIDOS
Individual publication stage records for each Patenting Authority
Coverage: 75 patent offices ; start dates vary from 1968 forward
Current through weekly update 2006-13/up ; last update 2006/03/31
IPC Classes: for searching prior to 2006, use the qualifier: /IC
For searching IPC v8 (pd>=2006), use the qualifiers: /ICAA /ICCA

Search statement 1

Query/Command : FAM US5938865/PN

1 Patent Groups

**** SS 1: Results 16**

Search statement 2

Query/Command : FAMSTATE NONSTOP

1 / 16 INPADOC - ©INPADOC

PN - DE 69617002 C0 20011220 [DE69617002]
TI - VERFAHREN ZUR HERSTELLUNG VON HOCHFESTEN NAHTLOSEN
STAHLROHREN MIT HERVORRAGENDER SCHWEFEL INDUZIERTER
SPANNUNGSRISSKOROSSIONSBESTAENDIGKEIT
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - DE 69617002/96-A 19960515 [1996DE-6017002]

PR - JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
JP 147845/95-A 19950614 [1995JP-0147845]
JP 171872/95-A 19950707 [1995JP-0171872]
WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
IC - C21D-008/10

1 / 2 LEGALI - ©EPO

PN - DE69617002 D1 20011220 [DE69617002]DE69617002 T2 20020829
[DE69617002]DE69617002 T4 20030320 [DE69617002]
AP - DE69617002 19960515 [1996DE-6017002]
ACTE - 20021212 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2003-22

2 / 2 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
EP0828007 B1 20011114 [EP-828007]
AP - EP96915150 19960515 [1996EP-0915150]
ACTE - 19980311 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980311 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19971204

19980422 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980422 EP/A4-A [+]
SUPPLEMENTARY SEARCH REPORT

20010307 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010117

20011114 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

20011220 EP/REF-A
CORRESPONDS TO:
(DE 69617002 20011220 [DE69617002])

20020101 EP/REG-A; GB/IF02 [+]

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
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20020208 EP/ET-A [+]
FR: TRANSLATION FILED

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DK: TRANSLATION OF EP PATENT
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20021106 EP/26N-A [+]
NO OPPOSITION FILED

UP - 2003-22

2 / 16 INPADOC - ©INPADOC

PN - DE 69617002 T2 20020829 [DE69617002]
TI - VERFAHREN ZUR HERSTELLUNG VON HOCHFESTEN NAHTLOSEN
STAHLROHREN MIT HERVORRAGENDER SCHWEFEL INDUZIERTER
SPANNUNGSRISSKORROSIONSBESTAENDIGKEIT
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - DE 69617002/96-A 19960515 [1996DE-6017002]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
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JP 171872/95-A 19950707 [1995JP-0171872]
WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
IC - C21D-008/10

1 / 2 LEGALI - ©EPO

PN - DE69617002 D1 20011220 [DE69617002]DE69617002 T2 20020829
[DE69617002]DE69617002 T4 20030320 [DE69617002]
AP - DE69617002 19960515 [1996DE-6017002]
ACTE - 20021212 DE/8364-A [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2003-22

2 / 2 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
EP0828007 B1 20011114 [EP-828007]
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ACTE - 19980311 EP/AK-A [+]
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DE DK FR GB IT NL

19980422 EP/A4-A [+]
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20011220 EP/REF-A
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FR: TRANSLATION FILED

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DK: TRANSLATION OF EP PATENT
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NO OPPOSITION FILED

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3 / 16 INPADOC - ©INPADOC

PN - DE 69617002 T4 20030320 [DE69617002]
TI - VERFAHREN ZUR HERSTELLUNG VON HOCHFESTEN NAHTLOSEN
STAHLROHREN MIT HERVORRAGENDER SCHWEFEL INDUZIERTER
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TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - DE 69617002/96-A 19960515 [1996DE-6017002]

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JP 147845/95-A 19950614 [1995JP-0147845]
JP 171872/95-A 19950707 [1995JP-0171872]
WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
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1 / 2 LEGALI - ©EPO

PN - DE69617002 D1 20011220 [DE69617002]DE69617002 T2 20020829
[DE69617002]DE69617002 T4 20030320 [DE69617002]
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ACTE - 20021212 DE/8364-A [+]
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UP - 2003-22

2 / 2 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
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20010307 EP/17Q-A [+]
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FR: TRANSLATION FILED

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20021106 EP/26N-A [+]
NO OPPOSITION FILED

UP - 2003-22

4 / 16 INPADOC - ©INPADOC

PN - DK 828007 T3 20020225 [DK-828007]
TI - FREMGANGSMAADE TIL FREMSTILLING AF SOEMLOEST STAALROER
MED HOEJ STYRKE OG FREMRAGENDE
SULFIDSPAENDINGSREVNEBESTANDIGHED
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - DK 96915150/96-A 19960515 [1996DK-0915150]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
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JP 171872/95-A 19950707 [1995JP-0171872]
WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
IC - C21D-008/10

5 / 16 INPADOC - ©INPADOC

PN - EP 828007 B1 20011114 [EP-828007]
TI - PROCESS FOR PRODUCING HIGH-STRENGTH SEAMLESS STEEL PIPE
HAVING EXCELLENT SULFIDE STRESS CRACKING RESISTANCE
LA - ENG
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - EP 96915150/96-A 19960515 [1996EP-0915150]
PR - WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
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JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10

DS - DE* DK* FR* GB* IT* NL*

1 / 1 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
EP0828007 B1 20011114 [EP-828007]

AP - EP96915150 19960515 [1996EP-0915150]

ACTE - 19980311 EP/AK-A [+]
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19980311 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19971204

19980422 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980422 EP/A4-A [+]
SUPPLEMENTARY SEARCH REPORT

20010307 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010117

20011114 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

20011220 EP/REF-A
CORRESPONDS TO:
(DE 69617002 20011220 [DE69617002])

20020101 EP/REG-A; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
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FR: TRANSLATION FILED

20020225 EP/REG-A; DK/T3 [+]
DK: TRANSLATION OF EP PATENT
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20021106 EP/26N-A [+]
NO OPPOSITION FILED

UP - 2003-22

6 / 16 INPADOC - ©INPADOC

PN - EP 828007 A1 19980311 [EP-828007]
TI - PROCESS FOR PRODUCING HIGH-STRENGTH SEAMLESS STEEL PIPE
HAVING EXCELLENT SULFIDE STRESS CRACKING RESISTANCE
LA - ENG
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - EP 96915150/96-A 19960515 [1996EP-0915150]
PR - WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
JP 116023/95-A 19950515 [1995JP-0116023]
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JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10
DS - DE* DK* FR* GB* IT* NL*

1 / 1 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
EP0828007 B1 20011114 [EP-828007]
AP - EP96915150 19960515 [1996EP-0915150]
ACTE -
19980311 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980311 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19971204

19980422 EP/AK-A [+]
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20011114 EP/AK-A [+]
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20011220 EP/REF-A
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DK: TRANSLATION OF EP PATENT
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NO OPPOSITION FILED

UP - 2003-22

7 / 16 INPADOC - ©INPADOC

PN - EP 828007 A4 19980422 [EP-828007]
LA - ENG
AP - EP 96915150/96-A 19960515 [1996EP-0915150]
PR - WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
JP 147845/95-A 19950614 [1995JP-0147845]
JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10
DS - DE* DK* FR* GB* IT* NL*

1 / 1 LEGALI - ©EPO

PN - EP0828007 A1 19980311 [EP-828007]EP0828007 A4 19980422 [EP-828007]
EP0828007 B1 20011114 [EP-828007]
AP - EP96915150 19960515 [1996EP-0915150]
ACTE - 19980311 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980311 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19971204

19980422 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

19980422 EP/A4-A [+]
SUPPLEMENTARY SEARCH REPORT

20010307 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010117

20011114 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE DK FR GB IT NL

20011220 EP/REF-A
CORRESPONDS TO:
(DE 69617002 20011220 [DE69617002])

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20021106 EP/26N-A [+]
NO OPPOSITION FILED

UP - 2003-22

8 / 16 INPADOC - ©INPADOC

PN - JP 3362565 B2 20030107 [JP3362565]
AP - JP 171872/95-A 19950707 [1995JP-0171872]
PR - JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10; C21D-009/08; C22C-038/00; C22C-038/54

9 / 16 INPADOC - ©INPADOC

PN - JP 8311551 A2 19961126 [JP08311551]
TI - PRODUCTION OF HIGH STRENGTH SEAMLESS STEEL PIPE
EXCELLENT IN SULFIDE STRESS CRACKING RESISTANCE
IN - KONDO KUNIO; KUSHIDA TAKAHIRO; OSAKO HAJIME
PA - SUMITOMO METAL IND
AP - JP 116023/95-A 19950515 [1995JP-0116023]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
IC - C21D-008/10; C22C-038/00; C22C-038/32

10 / 16 INPADOC - ©INPADOC

PN - JP 9025518 A2 19970128 [JP09025518]

TI - PRODUCTION OF SEAMLESS STEEL TUBE WITH HIGH STRENGTH
AND HIGH CORROSION RESISTANCE
IN - KUSHIDA TAKAHIRO; KONDO KUNIO; OSAKO HAJIME
PA - SUMITOMO METAL IND
AP - JP 171872/95-A 19950707 [1995JP-0171872]
PR - JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10; C21D-009/08; C22C-038/00; C22C-038/54

11 / 16 INPADOC - ©INPADOC

PN - JP 9059718 A2 19970304 [JP09059718]
TI - PRODUCTION OF SEAMLESS STEEL TUBE WITH HIGH STRENGTH
AND HIGH CORROSION RESISTANCE
IN - TAKABE HIDEKI; KUSHIDA TAKAHIRO; KONDO KUNIO
PA - SUMITOMO METAL IND
AP - JP 143118/96-A 19960605 [1996JP-0143118]
PR - JP 143118/96-A 19960605 [1996JP-0143118]
JP 147844/95-A 19950614 [1995JP-0147844]
IC - C21D-008/10; B21B-019/04; C22C-038/00; C22C-038/54

12 / 16 INPADOC - ©INPADOC

PN - JP 9059719 A2 19970304 [JP09059719]
TI - PRODUCTION OF SEAMLESS STEEL TUBE WITH HIGH STRENGTH
AND HIGH CORROSION RESISTANCE
IN - TAKABE HIDEKI; KUSHIDA TAKAHIRO; KONDO KUNIO
PA - SUMITOMO METAL IND
AP - JP 143119/96-A 19960605 [1996JP-0143119]
PR - JP 143119/96-A 19960605 [1996JP-0143119]
JP 147845/95-A 19950614 [1995JP-0147845]
IC - C21D-008/10; B21B-003/00; B21B-019/04; C22C-038/00; C22C-038/54

13 / 16 INPADOC - ©INPADOC

PN - NO 975237 A0 19971114 [NO9705237]
TI - FREMGANGSMAATE FOR AA FREMSTILLE SOEMLOESE STAALROER
MED HOEY STYRKE OG MED UTMERKET SULFIDSPENNINGS-
OPPSPREKKINGSMOTSTAND
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - NO 975237/97-A 19971114 [1997NO-0005237]
PR -
JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
JP 147845/95-A 19950614 [1995JP-0147845]

JP 171872/95-A 19950707 [1995JP-0171872]
 WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]

IC - C21D-000/00

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PN - NO 975237 A 19980114 [NO9705237]
TI - FREMGANGSMAATE FOR AA FREMSTILLE SOEMLOESE STAALROER
 MED HOEY STYRKE OG MED UTMERKET SULFIDSPENNINGS-
 OPPSPREKKINGSMOTSTAND
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
 TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - NO 975237/97-A 19971114 [1997NO-0005237]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
 JP 147844/95-A 19950614 [1995JP-0147844]
 JP 147845/95-A 19950614 [1995JP-0147845]
 JP 171872/95-A 19950707 [1995JP-0171872]
 WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
IC - C21D-008/10

15 / 16 INPADOC - ©INPADOC

PN - US 5938865 A 19990817 [US5938865]
TI - Process for producing high-strength seamless steel pipe having excellent sulfide
 stress cracking resistance
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
 TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]
AP - US 952222/98-A 19980205 [1998US-0952222]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
 JP 147844/95-A 19950614 [1995JP-0147844]
 JP 147845/95-A 19950614 [1995JP-0147845]
 JP 171872/95-A 19950707 [1995JP-0171872]
 WO 9601274/96(JP)-W 19960515 [1996WO-JP01274]
IC - C21D-008/10

1 / 1 LEGALI - ©EPO

PN - US5938865 A 19990817 [US5938865]
AP - US95222298 19980205 [1998US-0952222]
ACTE - 20000328 US/CC-A
 CERTIFICATE OF CORRECTION

 20010501 US/CC-A
 CERTIFICATE OF CORRECTION

20011106 US/CC-A
CERTIFICATE OF CORRECTION

20020618 US/CC-A
CERTIFICATE OF CORRECTION

20031104 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030815

UP - 2003-46

16 / 16 INPADOC - ©INPADOC

PN - WO 9636742 A1 19961121 [WO9636742]
TI - PROCESS FOR PRODUCING HIGH-STRENGTH SEAMLESS STEEL PIPE
HAVING EXCELLENT SULFIDE STRESS CRACKING RESISTANCE
LA - JAP
IN - KONDO KUNIO [JP]; KUSHIDA TAKAHIRO [JP]; OSAKO HAJIME [JP];
TAKABE HIDEKI [JP]
PA - SUMITOMO METAL IND [JP]; KONDO KUNIO [JP]; KUSHIDA
TAKAHIRO [JP]; OSAKO HAJIME [JP]; TAKABE HIDEKI [JP]
AP - WO 9601274/96(JP)-A 19960515 [1996WO-JP01274]
PR - JP 116023/95-A 19950515 [1995JP-0116023]
JP 147844/95-A 19950614 [1995JP-0147844]
JP 147845/95-A 19950614 [1995JP-0147845]
JP 171872/95-A 19950707 [1995JP-0171872]
IC - C21D-008/10
DS - MX* NO* US* AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

1 / 1 LEGALI - ©EPO

PN - WO9636742 A1 19961121 [WO9636742]
AP - WOJP9601274 19960515 [1996WO-JP01274]
ACTE - 19961121 WO/AK [+]
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH
SEARCH REPORT
MX NO US

19961121 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A
PUBLISHED APPLICATION WITH SEARCH REPORT
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19970206 WO/DFPE
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19970319 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION

19980205 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
US 1998 952222A 19980205 [1998US-0952222]

UP - 2003-22

Search statement 2

PATNO IS 5938865

DATE: APRIL 4, 2006
LIBRARY: PATENT
FILE: ALL

Your search request is:
PATNO IS 5938865

Number of PATENTS found with your search request through:
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Your search request has found 1 PATENT through Level 1.
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To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 5938865 , August 17, 1999 , Process for producing high-strength seamless steel pipe having excellent sulfide stress cracking resistance, Kondo, Kunio - Osaka, Japan (JP); Kushida, Takahiro - Osaka, Japan (JP); Osako, Hajime - Wakayama, Japan (JP); Takabe, Hideki - Wakayama, Japan (JP), 952222 (08), Sumitomo Metal Industries, LTC., Osaka, Japan (JP), 03, February 5, 1998 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., SUMITOMO METAL INDUSTRIES, LTD. 5-33, KITAHAMA 4-CHOME, CHUO-KU OSAKA-SHI, OSAKA 541 JAPAN, Reel and Frame Number: 08965/0580

CORE TERMS: steel, quenching, pipe, rolling, grain, heating, steel pipe, resistance, complementary, tempering ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5938865

August 17, 1999

Process for producing high-strength seamless steel pipe
having excellent sulfide stress cracking resistance

REISSUE: August 15, 2003 - Reissue Application filed Ex. Gp.: 1742; Re. S.N.
10/641,144 (O.G. November 4, 2003)

CERT-CORRECTION: November 6, 2001 - a Certificate of Correction was issued for
this patent (O.G. November 27, 2001)

May 1, 2001 - a Certificate of Correction was issued for this patent (O.G. May
1, 2001)

March 28, 2000 - a Certificate of Correction was issued for this patent (O.G.
March 28, 2000)

June 18, 2002 - a Certificate of Correction was issued for this patent (O.G.
July 9, 2002)

APPL-NO: 952222 (08)

FILED-DATE: February 5, 1998

GRANTED-DATE: August 17, 1999

CORE TERMS: steel, quenching, pipe, rolling, grain, heating, steel pipe,
resistance, complementary, tempering ...

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To enter a new search request, type it and press the ENTER key.

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